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**21** [Communications of the ACM: Volume 51 Issue 9](#)

September 2008

Communications of the ACM

**Publisher:** ACM

 Full text available: [Digital Edition](#), [Pdf](#) (8.68 MB)

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**Bibliometrics:** Downloads (6 Weeks): 876, Downloads (12 Months): 2289, Citation Count: 0

**22** [Communications of the ACM: Volume 51 Issue 5](#)

May 2008

Communications of the ACM

**Publisher:** ACM

 Full text available: [Digital Edition](#), [Pdf](#) (7.28 MB)

 Additional Information: [full citation](#)
**Bibliometrics:** Downloads (6 Weeks): 531, Downloads (12 Months): 1677, Citation Count: 0

**23** [Anthony Oettinger interview: January 10-11, 2006](#)
[Atsushi Akeru](#)

January 2006 Oral History interviews

**Publisher:** ACM

 Full text available: [Pdf](#) (584.29 KB) Additional Information: [full citation](#), [index terms](#)
**Bibliometrics:** Downloads (6 Weeks): 31, Downloads (12 Months): 138, Citation Count: 0

**24** [Stemming Indonesian: A confix-stripping approach](#)
[Mirna Adriani](#), [Jelita Asan](#), [Bobby Nazief](#), [S. M. M. Tahaghoghi](#), [Hugh E. Williams](#)

December 2007 Transactions on Asian Language Information Processing (TALIP), Volume 6 Issue 4

**Publisher:** ACM

 Full text available: [Pdf](#) (369.46 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 225, Citation Count: 0

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Stemming words to (usually) remove suffixes has applications in text search, machine translation, document summarization, and text classification. For example, English stemming reduces the words "computer," "computing," "computation," and "computability" ...

Keywords: Indonesian, information retrieval, stemming

## 25 [Pegasus: first steps toward a naturalistic programming language](#)



[Roman Kießli](#), [Mira Mezini](#)

October 2006 OOPSLA '06: Companion to the 21st ACM SIGPLAN symposium on Object-oriented programming systems, languages, and applications

**Publisher:** ACM

Full text available: [Pdf](#) (510.80 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 34, Downloads (12 Months): 144, Citation Count: 1

In this article a new programming paradigm is discussed: *naturalistic programming*. Naturalistic Programming means writing computer programs with the help of natural language. The authors are convinced that contemporary programming techniques have ...

**Keywords:** aspect-oriented programming, cognitive foundations of programming, language design, natural language programming, naturalistic programming, philosophical foundations of programming

## 26 [Dependency parsing of turkish](#)

[Gülen Eryiğit](#), [Joakim Nivre](#), [Kemal Oflazer](#)

September 2008 Computational Linguistics , Volume 34 Issue 3

**Publisher:** MIT Press

Full text available: [Pdf](#) (529.02 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 24, Downloads (12 Months): 32, Citation Count: 0

The suitability of different parsing methods for different languages is an important topic in syntactic parsing. Especially lesser-studied languages, typologically different from the languages for which methods have originally been developed, pose interesting ...

## 27 [ACM SIGACT News: Volume 36 Issue 2](#)

June 2005 SIGACT News



**Publisher:** ACM

Additional Information: [full citation](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

## 28 [A word-to-phrase statistical translation model](#)



[Marcello Federico](#), [Nicola Bertoldi](#)

December 2005 Transactions on Speech and Language Processing (TSLP) , Volume 2 Issue 2

**Publisher:** ACM

Full text available: [Pdf](#) (470.53 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 100, Citation Count: 0

This article addresses the development of statistical models for phrase-based machine translation (MT) which extend a popular word-alignment model proposed by IBM in the early 90s. A novel decoding algorithm is directly derived from the optimization ...

**Keywords:** Statistical machine translation, dynamic programming, phrase-based translation, phrase-pair extraction, search algorithm

## 29 [A retrospective look at Greenstone: lessons from the first decade](#)



[Ian H. Witten](#), [David Bainbridge](#)

June JCDL '07: Proceedings of the 7th ACM/IEEE-CS joint conference on Digital  
2007 libraries

**Publisher:** ACM

Full text available: [Pdf](#) (572.61  
KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 30, Downloads (12 Months): 198, Citation Count: 0

The Greenstone Digital Library Software has helped spread the practical impact of digital library technology throughout the world, with particular emphasis on developing countries. As Greenstone enters its second decade, this article takes a retrospective ...

Keywords: architecture, greenstone, internationalization

## 30 [Geographical information recognition and visualization in texts written in various languages](#)



[Bruno Pouliquen](#), [Ralf Steinberger](#), [Camelia Ignai](#), [Tom De Goeve](#)

March SAC '04: Proceedings of the 2004 ACM symposium on Applied computing  
2004

**Publisher:** ACM

Full text available: [Pdf](#) (412.68  
KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 81, Citation Count: 2

In this paper, we describe a system that recognises place names in natural language text and produces geographic maps and animations showing the geographical coverage of texts about a certain subject as it changes over time. As the system is built to ...

Keywords: GIS, data mining, named entity recognition, natural language processing, place name recognition

## 31 [What next?: A dozen information technology research goals](#)



[Jim Gray](#)

January Journal of the ACM (JACM) , Volume 50 Issue 1  
2003

**Publisher:** ACM

Full text available: [Pdf](#) (1.18  
MB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 43, Downloads (12 Months): 259, Citation Count: 9

## 32 [Mining term association patterns from search logs for effective query reformulation](#)



[Xuanhui Wang](#), [ChengXiang Zhai](#)

October CI KM '08: Proceeding of the 17th ACM conference on Information and  
2008 knowledge management

**Publisher:** ACM

Full text available: [Pdf](#) (240.50  
KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 46, Downloads (12 Months): 46, Citation Count: 0

Search engine logs are an emerging new type of data that offers interesting opportunities for data mining. Existing work on mining such data has mostly attempted to discover knowledge at the level of queries (e.g., query clusters). In this paper, we ...


Keywords: query reformulation, search log mining, term association patterns

**33** [The OLAC metadata set and controlled vocabularies](#)

[Steven Bird](#), [Gary Simons](#)

July Proceedings of the ACL 2001 Workshop on Sharing Tools and Resources -  
2001 Volume 15 , Volume 15

**Publisher:** Association for Computational Linguistics

Full text available:  Pdf (104.59  
KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 26, Citation Count: 0


As language data and associated technologies proliferate and as the language resources community rapidly expands, it has become difficult to locate and reuse existing resources. Are there any lexical resources for such-and-such a language? What tool ...

**34** [Localization of web content](#)

[Daniel Brandon, Jr.](#)

December Journal of Computing Sciences in Colleges , Volume 17 Issue  
2001 2

**Publisher:** Consortium for Computing Sciences in Colleges

Full text available:  Pdf (266.53  
KB)

Additional Information: [full citation](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 65, Citation Count: 0


**35** [Data driven methods for improving mono- and cross-lingual IR performance in noisy environments](#)



[Antti Järvelin](#), [Tuomas Takavainen](#), [Anni Järvelin](#)

July AND '08: Proceedings of the second workshop on Analytics for noisy unstructured  
2008 text data

**Publisher:** ACM

Full text available:  Pdf (226.77  
KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 42, Citation Count: 0

In cross-language information retrieval (CLIR), novel or non-standard expressions, technical terminology, or rare proper nouns can be seen as noise when they appear in queries or in the target collection. This kind of vocabulary is often out-of-vocabulary ...


Keywords: s-grams, OOV words, TRT, corpus based methods, cross-language information retrieval, noise

### 36 [Metonymy as a cross-lingual phenomenon](#)

[Wim Peters](#)

July Proceedings of the ACL 2003 workshop on Lexicon and figurative language  
2003 - Volume 14 , Volume 14

**Publisher:** Association for Computational Linguistics

Full text available:  Pdf (70.79 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 13, Citation Count: 0

The question of whether metonymy carries across languages has always been interesting for language representation and processing. Until now attempts to answer this question have always been based on small-scale analyses. With the advent of EuroWordNet ...

### 37 [A language independent method for question classification](#)

[Thamar Soloric](#), [Manuel Pérez-Coutiño](#), [Manuel Montes-y-Gómez](#), [Luis Villaseñor-Pineda](#), [Aurelio López-López](#)

August COLING '04: Proceedings of the 20th international conference on  
2004 Computational Linguistics

**Publisher:** Association for Computational Linguistics

Full text available:  Publisher Site ,  Pdf (131.24 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 43, Citation Count: 0


Previous works on question classification are based on complex natural language processing techniques: named entity extractors, parsers, chunkers, etc. While these approaches have proven to be effective they have the disadvantage of being targeted to ...

### 38 [The Parallel Grammar project](#)

[Miriam Butt](#), [Helge Dyvik](#), [Tracy Holloway King](#), [Hiroshi Masuuchi](#), [Christian Rohrer](#)

September COLING-02 on Grammar engineering and evaluation - Volume 15 ,  
2002 Volume 15

**Publisher:** Association for Computational Linguistics

Full text available:  Pdf (108.59 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 24, Citation Count: 7

We report on the Parallel Grammar (ParGram) project which uses the XLE parser and grammar development platform for six languages: English, French, German, Japanese, Norwegian, and Urdu.

### 39 [Web searching in a multilingual world](#)






[Wingyan Chung](#)

May 2008 Communications of the ACM , Volume 51 Issue 5

**Publisher:** ACM

Additional Information: [full](#)

Full text available:  Digital Edition ,  Html (33.59 KB),  Pdf (2.63 MB)

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**Bibliometrics:** Downloads (6 Weeks): 49, Downloads (12 Months): 747, Citation Count: 0

Studies of three prototype Web search portals---in Chinese, Spanish, and Arabic---reveal how to best support non-English Web searching.

40 [A language and character set determination method based on N-gram statistics](#)



[Izumi Suzuki](#), [Yoshiki Mikami](#), [Ario Ono](#), [Yoshihide Chubachi](#)

September 2002 Transactions on Asian Language Information Processing (TALIP), Volume 1 Issue 3

**Publisher:** ACM

Full text available: [Pdf](#) (94.47 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 66, Citation Count: 2

An N-gram-based language, script, and encoding scheme-detection method is introduced in this article. The method detects language, script, and encoding schemes using a target text document encoded by computer by checking how many byte sequences of the ...

**Keywords:** N-gram, Unicode, character set, corpus-based analysis, local language site, natural languages, text categorization

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